

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraphs beginning on line 17 of page 7 as follows:

-- Referring to Fig. 2, an interior cabin 102 of an aircraft 104 is depicted. Like other interior aircraft environments, the cabin 102 includes a lighting system having a plurality of lighting systems lights. These lighting systems lights can include a plurality of ceiling lights 202, seat lights 208 to light the environments around a plurality of seats 210, and floor lights 204. Similarly, such an environment may include window lights, as well as lights positioned in various other positions on the walls, floors, ceilings or on other objects in the environment. Seat lights 208 can be positioned, for example, to illuminate a position in front of a customer (such as for reading), or to illuminate other areas, such as a display screen located on the back of the seat in front of the customer. Similarly, lights could be used to light an entertainment screen in the cabin, or to enhance entertainment content. For example, an aircraft system could be fitted with a surround light functionality, similar to that described in U.S. Patent Applications "LIGHTING ENTERTAINMENT SYSTEM" Serial No. 09/213,548, Filed 12/17/98; "LIGHTING ENTERTAINMENT SYSTEM" Serial No. 09/815,418, filed 3/22/01; "SYSTEMS AND METHODS FOR DIGITAL ENTERTAINMENT" Serial No. 10/045,604, filed 10/23/01; "LIGHTING ENTERTAINMENT SYSTEM" Serial No. 09/742,017, filed 12/20/00, which are incorporated by reference herein.

In conventional aircrafts, the interior light systems lights of Fig. 2 would be conventional white lights (such as halogen lights) with minimal functionality (such as on-off capability, and perhaps limited dimming capability). In contrast, in the methods and systems disclosed herein, the light systems lights 202, 204, 208, as well as any other lights or light systems, can provide illumination of colors other than white, as well as providing white illumination. Thus, a light system 202 (or any other light or light system in the interior of the environment) can, under processor- or computer-control, provide controlled illumination and display of light in any color, at any color temperature, at any time, as programmed by the operator of the light system 202.

For example, the light system 202 can operate in a white color mode at some times and in a non-white color mode at other times. In fact, the system light 202 can, with the proper configuration of light sources and control elements, provide any selected color at any desired

time. The methods and systems taught herein may be used in a number of environments. Several examples of such environments can be found in U.S. Patent Application "SMART LIGHT BULB," App. No. 09/215,624, filed 12/17/98, which is hereby incorporated by reference herein. By using computer-controlled light sources, the operator can thus provide illumination characteristics in an aircraft or similar environment that cannot be provided with conventional systems. --

Please amend the paragraph beginning on line 1 of page 9 as follows:

-- In embodiments it is thus desirable to include one or more white light sources, such as white LEDs of the same or different color temperature, as well as non-white sources. For example, white light can be generated by a combination of red, green (or yellow) and blue light sources, or by a white light source. The color temperature of white light can be modified by mixing light from a second light source. The second light source can be a light source such as a white source of a different color temperature, an amber source, a green source, a red source, a yellow source, an orange source, a blue source, or a UV source. In embodiments, the lights can include LEDs of red, green, blue and white colors. In other embodiments LEDs of white, amber, red, green and blue can be mixed to provide a wide range of available colors and color temperatures. More generally, the lights can include any LEDs of any color, or combination of colors, such as LEDs selected from the group consisting of red, green, blue, UV, yellow, amber, orange and white. White LEDs can include LEDs of more than one color temperature or other operating characteristic. Thus, the light-systems lights 202, 204, 208 and other interior light-systems lights (such as for cockpit, bathroom, kitchen or service area illumination) preferably comprise light sources of different colors, so that colors other than white, and different color temperatures of white, can be produced on demand. --

Please amend the paragraph beginning on line 8 of page 14 as follows:

-- The control system 408 may further include the algorithm facility 424, which is a general description of any of a group of available facilities for processing instructions and, for example, providing lighting control based on the instructions. For example, in embodiments

where the control system 408 receives data from the ~~light-systems~~ lights 402, the control system 408 could determine that a light 402 is about to fail (such as because the total “on” time for the light as calculated by the algorithm facility 424 is nearing the predicted lifetime of the light), and it could signal the maintenance system to have the light replaced at the next stop of the plane. The algorithm facility 424 can thus operate on instructions received by the communications facility 422, data from the data facility 420, and preprogrammed instructions, to generate control signals, messages, and other output in any manner desired by the user. For example, it can prioritize various lighting control signals based on various data, such as a hierarchy of systems or conditions that determine which control signal should actually be sent to the lights 402. Thus, an alarm signal would preempt an entertainment signal, and so on. –

Please amend the paragraph beginning on line 28 of page 16 as follows:

-- In embodiments the connector 404 is a cable having a head end and a base end, with a facility for providing the address included at the head end of the cable. The connector 404 may be configured to receive a light ~~system~~ 402, such as a modular light system, so that the particular light ~~system~~ responds to control signals addressed to the address of the connector to which the light ~~system~~ is connected. --